

Appl. No. 10/849,985
Amdt. Dated April 11, 2005
Reply to Office Action of January 11, 2005

Docket No. CE11376JAN
Customer No.. 24273

REMARKS

In the Office Action, claims 1-19 are pending in the application. Claims 1-19 have been rejected. In particular, claims 1, 2, 11, 12 and 18 have been rejected under 35 U.S.C. 102 as being anticipated by U.S. Patent No. 5,898,908 to Griffin, et al. (Griffin). In addition, claims 3 and 13 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent Application Publication No. 2003/0100262 to Ma, et al. (Ma). Claims 4 and 14 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent Application Publication No. 2004/0257284 to Rada, et al. (Rada).

Claims 5 and 15 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent No. 6,118,408 to Yang, et al. (Yang). Also, claims 6 and 16 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of Yang further in view of U.S. Patent No. 6,025,816 to Dent, et al. (Dent). Claims 7 and 8 have also been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of Dent. Claim 9 has been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent No. 6,075,500 to Kurz, et al. (Kurz). Claims 10 and 17 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent No. 6,430,400 to MacDonald, Jr. et al. (MacDonald). Finally, claim 19 has been rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin in view of U.S. Patent No. 6,791,497 to Winebrand, et al. (Winebrand).

A description of Griffin is particularly relevant here. Griffin describes a system for radio-frequency (RF) gain enhancement for a cellular telephone. Specifically, a portable

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RF telephone having an internal antenna is attachable to a vehicle cradle, which is mounted inside a vehicle. The vehicle cradle is coupled via cabling and connectors to an antenna mounted on the exterior of the vehicle. In this configuration, the portable telephone switches from its internal antenna to the external antenna mounted outside the vehicle. By mounting the antenna on the exterior of the vehicle, the shielding effects of the metallic enclosure of the vehicle are overcome. To compensate for the loss of signal power caused by the cabling and connectors between the vehicle cradle and the external antenna, the portable telephone increases its transmission power.

Claims 1 and 11 have been amended to clarify that the external antenna is built into the detachable antenna module. Because the external antenna is built into the detachable antenna module, no cabling or connectors are needed to attach the external antenna to the detachable antenna module. As such, the detachable antenna module, along with the built-in external antenna, is freely portable and is easily attachable to the wireless communication device. Moreover, it is not necessary to increase the transmission power when the external antenna is in use, as there are no cabling or connector losses for which to compensate.

In direct contrast, the external antenna in Griffin is completely separate from the vehicle cradle, which necessitates the use of cabling and connectors to connect it to the vehicle cradle. In view of this design, the vehicle cradle and external antenna are not freely portable. Also, the use of these cables and connectors forces the wireless device to increase its transmission power.

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In view of the above amendments and remarks, Applicants submit that claims 1 and 11 are patentable over Griffin and the other cited prior art references. Moreover, Applicants submit that the claims that depend from claims 1 and 11 are patentable over Griffin and the other references.

The Applicants believe that the subject application, as amended, is in condition for allowance. Such action is earnestly solicited by the Applicants.

In the event that the Examiner deems the present application non-allowable, it is requested that the Examiner telephone the Applicant's attorney or agent at the number indicated below so that the prosecution of the present case may be advanced by the clarification of any continuing rejection.

Although no fee is due with this submission, the Commissioner is hereby authorized to charge any fees that may be due to Motorola, Inc. Deposit Account No. 50-2117, or credit any overpayment to same account.


Respectfully submitted,

SEND CORRESPONDENCE TO:

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